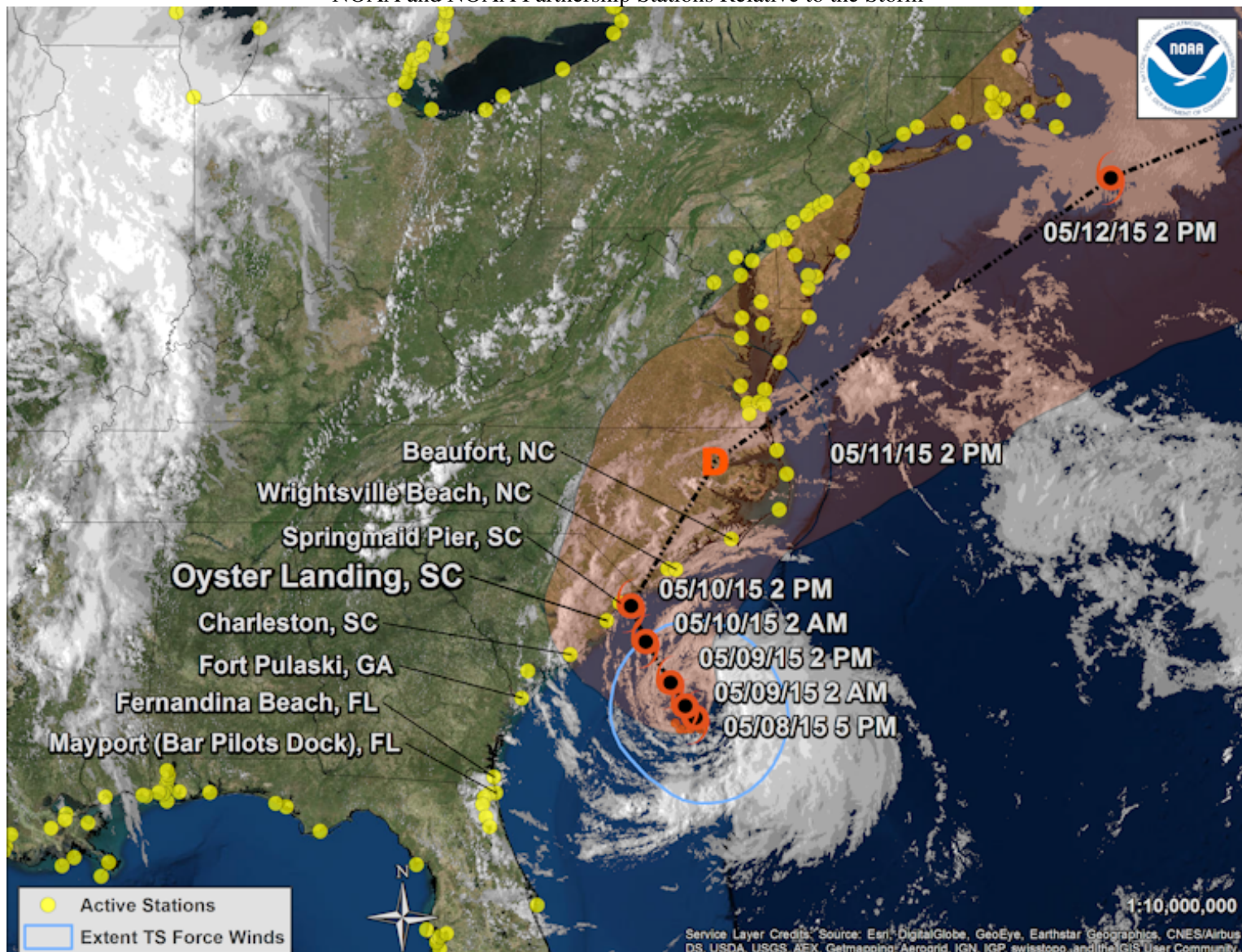


Subtropical Storm ANA QuickLook, POSTED 18:00 EDT 05/08/2015



Subtropical Storm ANA QuickLook
Posted: 18:00 EDT 05/08/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/08/2015 18:00 EDT water levels from Florida's northeastern coast to the southern North Carolina were generally running between 0.5 and 1.5 feet above tidal predictions. Winds are generally between 10 - 20 knots. Barometric Pressure is gradually falling across the region.

Subtropical Storm ANA QuickLook, POSTED 18:00 EDT 05/08/2015

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: CRD

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN

SUBTROPICAL STORM ANA ADVISORY NUMBER 4

NWS NATIONAL HURRICANE CENTER MIAMI FL

500 PM EDT FRI MAY 08 2015

...ANA ON THE VERGE OF BECOMING A TROPICAL STORM...

...TROPICAL STORM WARNING EXTENDED NORTHWARD...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued from North of Surf City to Cape Lookout North Carolina.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

* South Santee River to Surf City

A Tropical Storm Watch is in effect for...

* Edisto Beach South Carolina to South of South Santee River

* North of Surf City to Cape Lookout North Carolina

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area within 36 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, in this case within 24-36 hours.

Interests elsewhere in eastern North Carolina should monitor the progress of Ana.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

Subtropical Storm ANA QuickLook, POSTED 18:00 EDT 05/08/2015

At 500 PM EDT, the center of Subtropical Storm Ana was located near latitude 31.7 North, longitude 77.4 West. The storm has been meandering today, but is expected to begin a north-northwestward motion overnight. A turn toward the northwest with a slight increase in forward speed is expected on Saturday. On the forecast track the center of Ana will be close to the coasts of South and North Carolina on Sunday.

Maximum sustained winds remain near 45 mph, with higher gusts. Satellite images indicate that Ana continues its transition to a tropical storm, which should be complete by early Saturday. Little change in strength is expected while the storm approaches the coastline over the next couple of days.

Winds of 40 mph extend outward up to 115 miles from the center.

The estimated minimum central pressure is 1001 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within the warning area, and possible within the watch areas, by Saturday evening.

STORM SURGE: The combination of storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters. The water could reach 1 to 2 ft above ground at times of high tide in coastal areas from Cape Hatteras, North Carolina southward through South Carolina. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Ana is expected to produce rainfall accumulations of 2 to 4 inches, with isolated amounts of 6 inches, over eastern portions of North Carolina and South Carolina through the weekend.

SURF: Swells generated by Ana are affecting portions of the southeastern U.S. coast. These swells will likely cause life-threatening surf and rip currents. Please see statements issued by your local National Weather Service forecast office.

NEXT ADVISORY

Next intermediate advisory at 800 PM EDT.
Next complete advisory at 1100 PM EDT.

Forecaster Blake

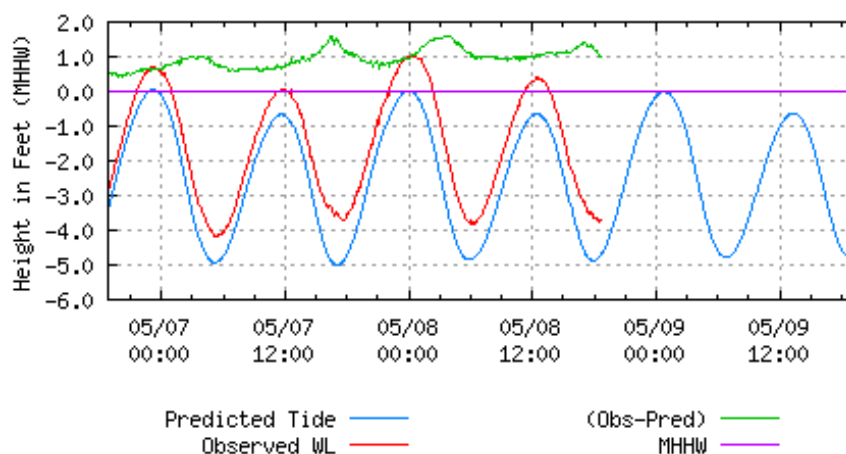
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Beaufort - Water Level](#), [Beaufort - Winds](#)

Subtropical Storm ANA QuickLook, POSTED 18:00 EDT 05/08/2015

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 05/08/2015 18:36 (EDT). Data relative to MHHW

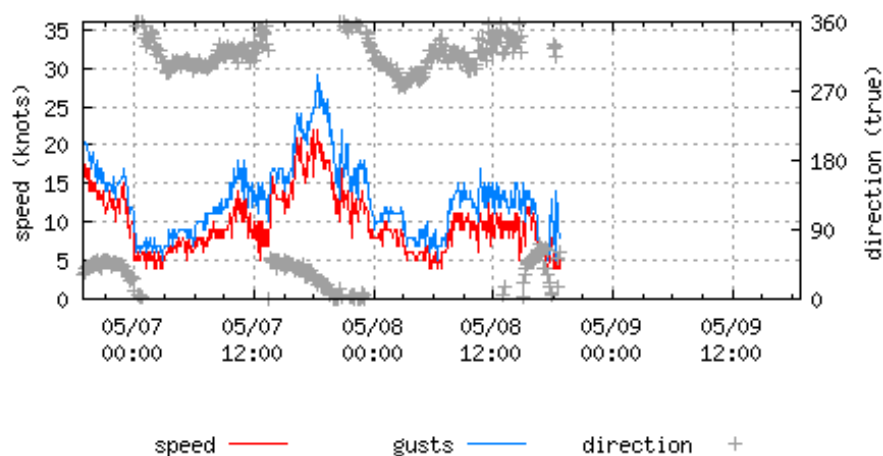
Observed: -3.72 ft. Predicted: -4.72 ft. Residual: 1.00 ft.

Historical Maximum Water Level: Sep 27 2004, 2.47 ft.

Next High Tide: 05/09/2015 00:46 (EDT), -0.02 ft.

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL

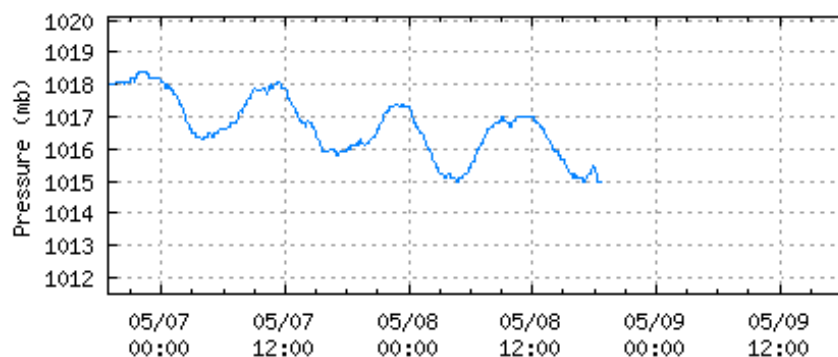
Wind Speed / Gusts / Direction



Last Observed Sample: 05/08/2015 18:36 (EDT)

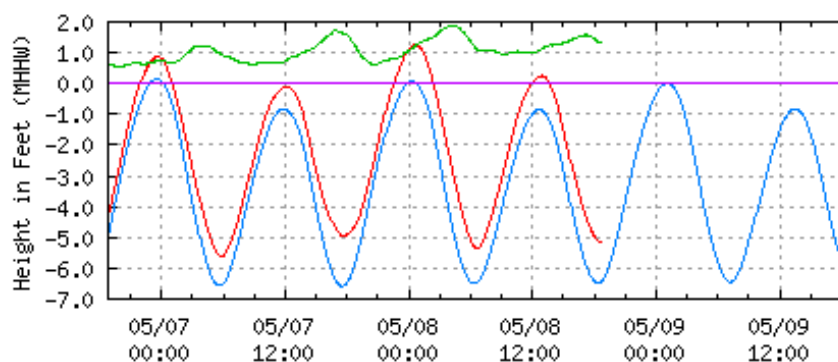
Wind Speed: 4 knots Gusts: 8 knots Direction: 62° T

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/08/2015 18:36 (EDT)
Barometric Pressure: 1015.0 mb

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/08/2015 18:36 (EDT). Data relative to MHHW

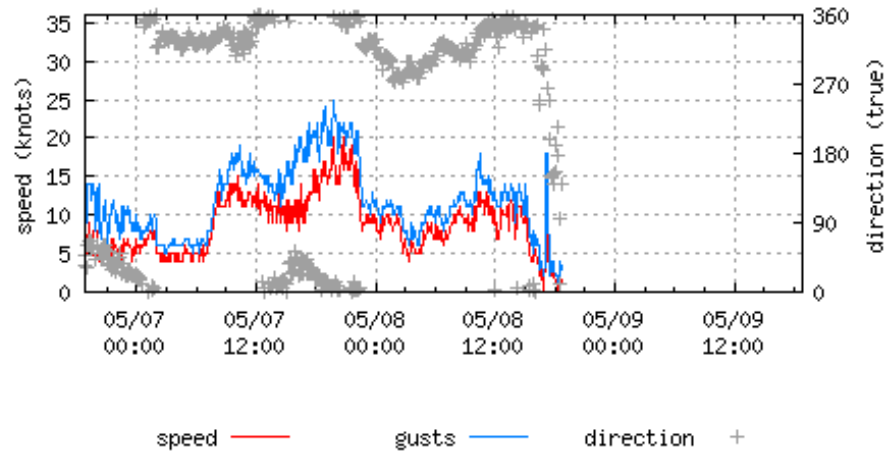
Observed: -5.13 ft. Predicted: -6.44 ft. Residual: 1.31 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 05/09/2015 01:04 (EDT), -0.02 ft.

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

Wind Speed / Gusts / Direction

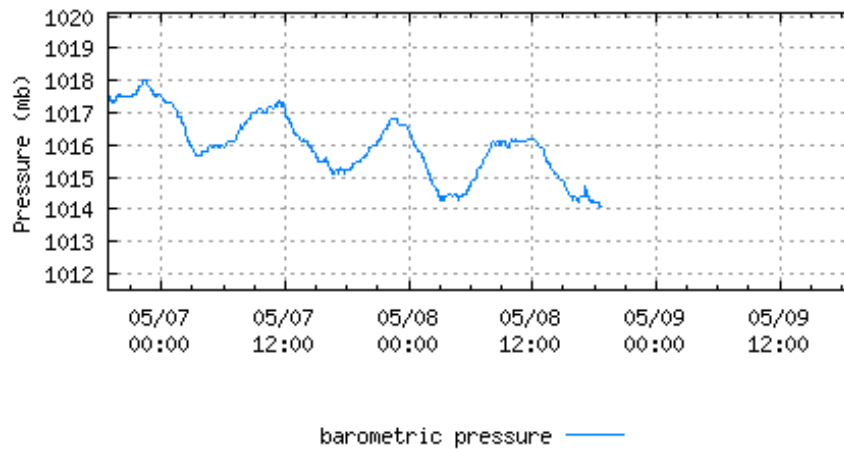


Last Observed Sample: 05/08/2015 18:36 (EDT)

Wind Speed: 1 knots Gusts: 3 knots Direction: 140° T

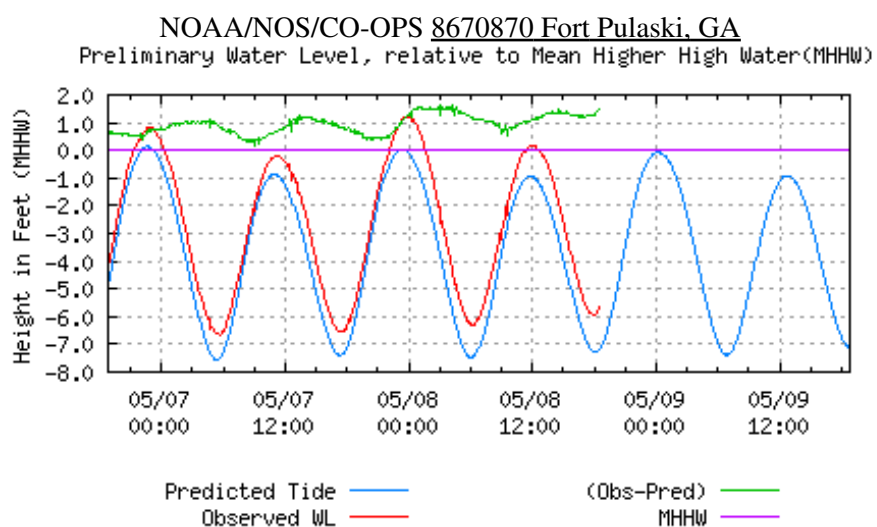
NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

Barometric Pressure



Last Observed Sample: 05/08/2015 18:36 (EDT)

Barometric Pressure: 1014.1 mb



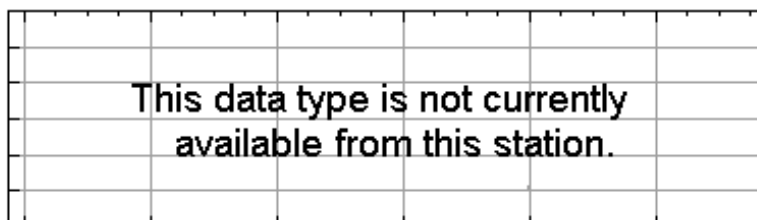
Last Observed Sample: 05/08/2015 18:30 (EDT). Data relative to MHHW

Observed: -5.68 ft. Predicted: -7.17 ft. Residual: 1.49 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/09/2015 00:13 (EDT), -0.08 ft.

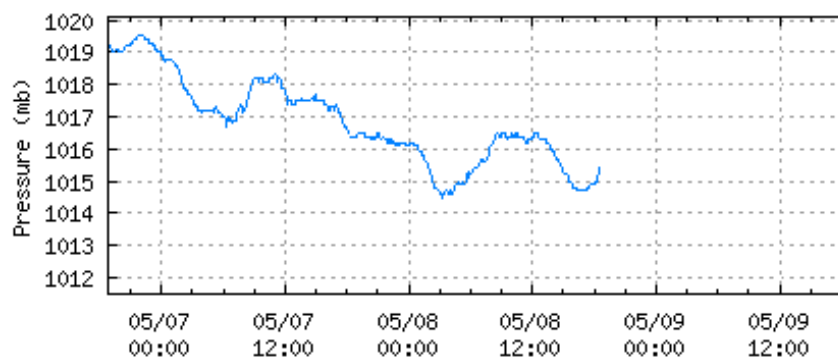
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
NOAA/NOS/CO-OPS



Last Observed Sample: 05/08/2015 18:30 (EDT)

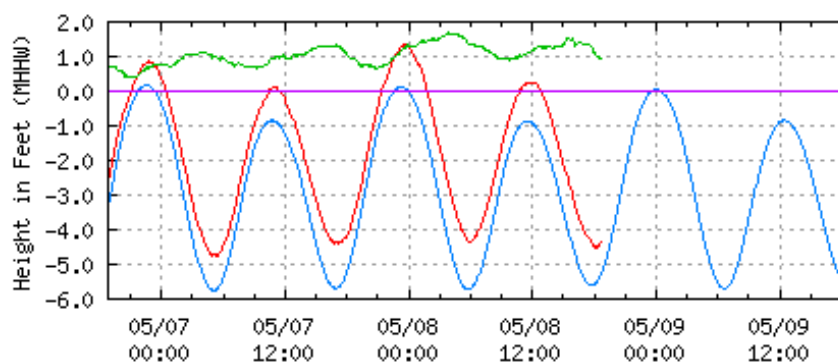
Wind Speed: 9 knots Gusts: 12 knots Direction: 84° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/08/2015 18:30 (EDT)
Barometric Pressure: 1015.4 mb

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

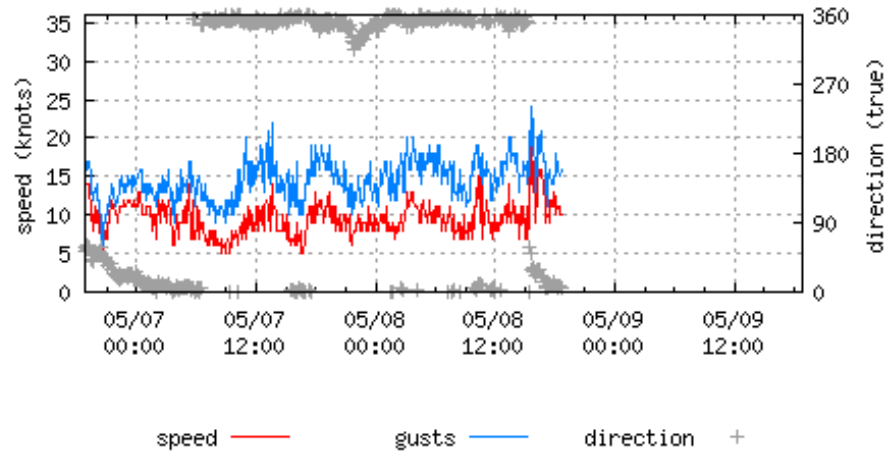


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/08/2015 18:36 (EDT). Data relative to MHHW
Observed: -4.35 ft. Predicted: -5.31 ft. Residual: 0.96 ft.
Historical Maximum Water Level: Sep 21 1989, 6.76 ft.
Next High Tide: 05/09/2015 00:01 (EDT), 0.04 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC

Wind Speed / Gusts / Direction

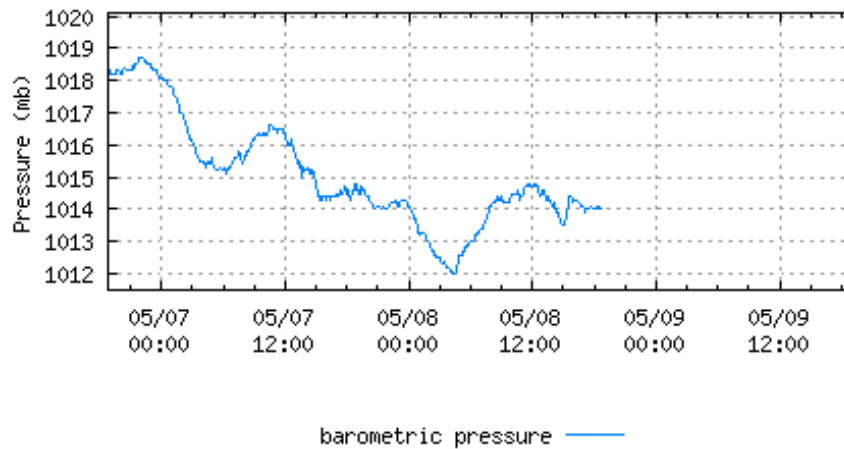


Last Observed Sample: 05/08/2015 18:36 (EDT)

Wind Speed: 10 knots Gusts: 16 knots Direction: 5° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC

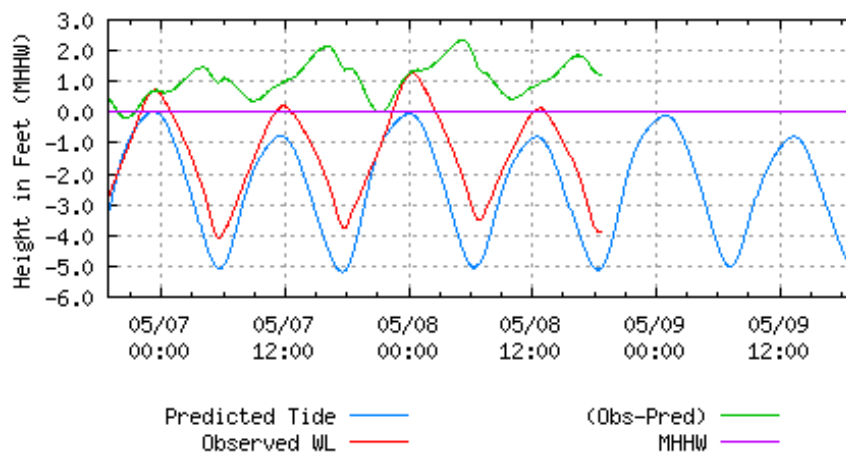
Barometric Pressure



Last Observed Sample: 05/08/2015 18:36 (EDT)

Barometric Pressure: 1014.0 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



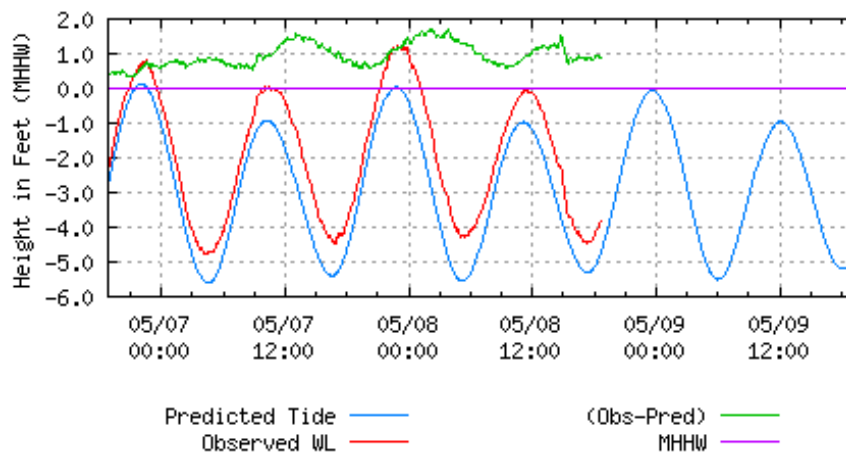
Last Observed Sample: 05/08/2015 18:36 (EDT). Data relative to MHHW

Observed: -3.85 ft. Predicted: -5.08 ft. Residual: 1.23 ft.

Historical Maximum Water Level: Aug 26 2011, 2.40 ft.

Next High Tide: 05/09/2015 00:54 (EDT), -0.12 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 05/08/2015 18:36 (EDT). Data relative to MHHW

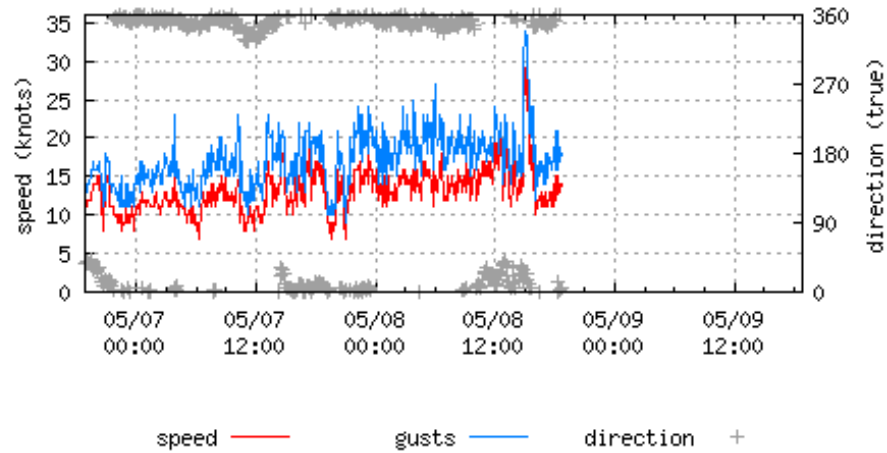
Observed: -3.84 ft. Predicted: -4.75 ft. Residual: 0.91 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 05/08/2015 23:39 (EDT), -0.06 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Wind Speed / Gusts / Direction

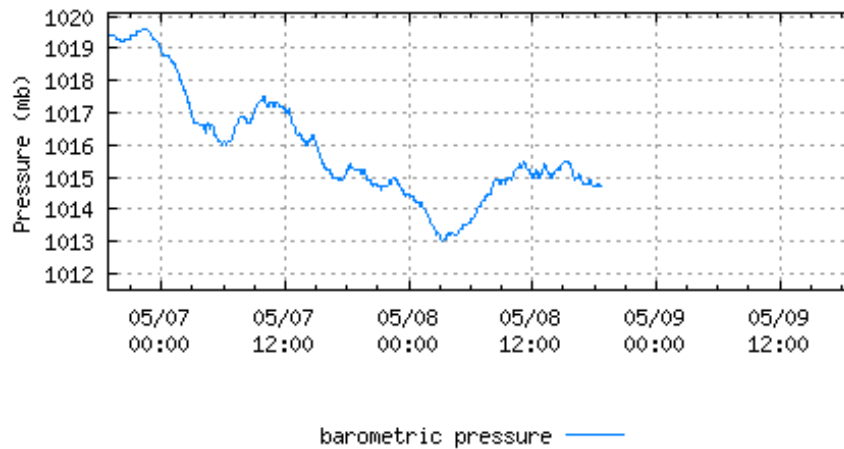


Last Observed Sample: 05/08/2015 18:36 (EDT)

Wind Speed: 14 knots Gusts: 18 knots Direction: 5° T

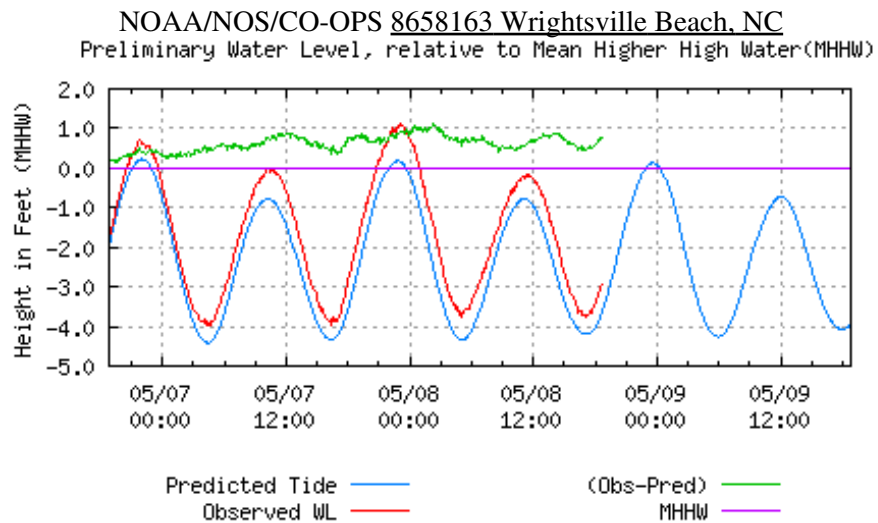
NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Barometric Pressure



Last Observed Sample: 05/08/2015 18:36 (EDT)

Barometric Pressure: 1014.7 mb

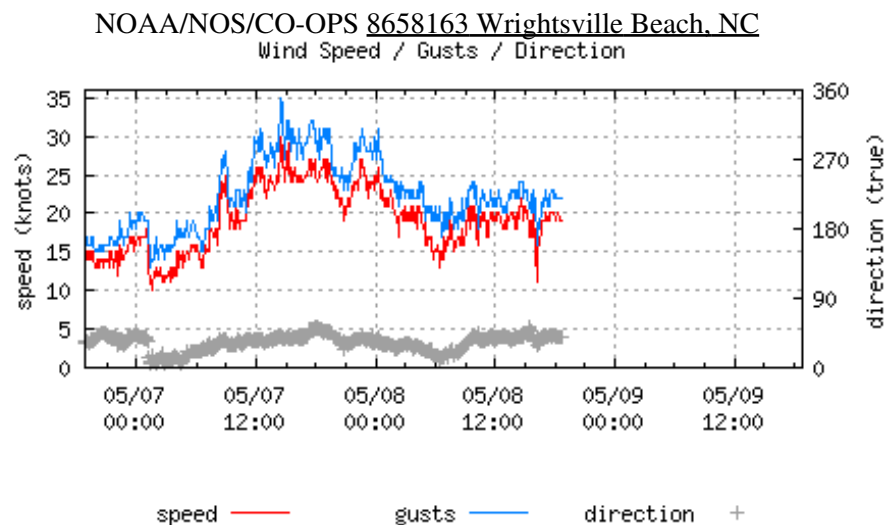


Last Observed Sample: 05/08/2015 18:36 (EDT). Data relative to MHHW

Observed: -2.93 ft. Predicted: -3.67 ft. Residual: 0.74 ft.

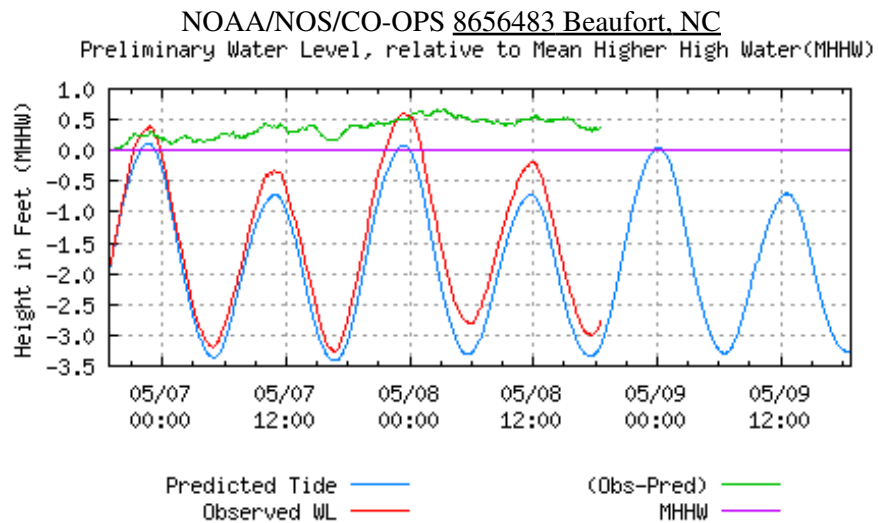
Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 05/08/2015 23:37 (EDT), 0.13 ft.



Last Observed Sample: 05/08/2015 18:36 (EDT)

Wind Speed: 19 knots Gusts: 22 knots Direction: 41° T

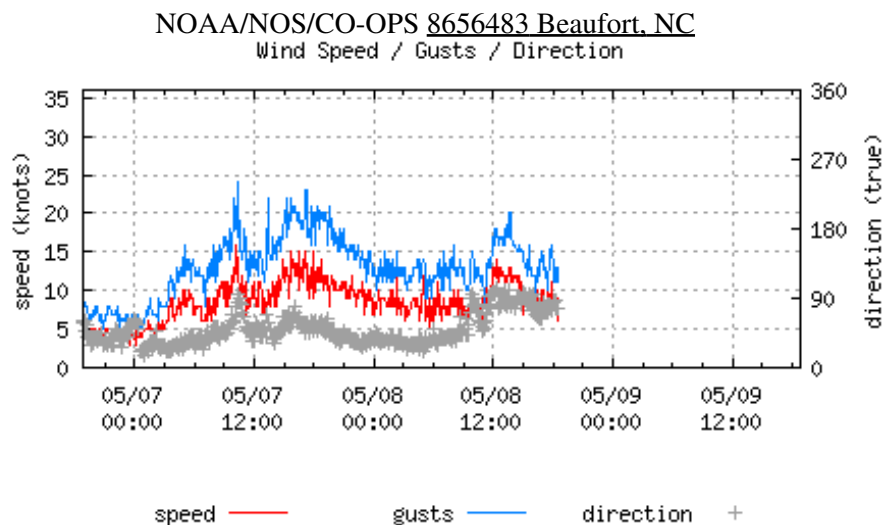


Last Observed Sample: 05/08/2015 18:30 (EDT). Data relative to MHHW

Observed: -2.78 ft. Predicted: -3.16 ft. Residual: 0.38 ft.

Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 05/09/2015 00:09 (EDT), 0.04 ft.



Last Observed Sample: 05/08/2015 18:30 (EDT)

Wind Speed: 6 knots Gusts: 13 knots Direction: 76° T

Subtropical Storm ANA QuickLook, POSTED 18:00 EDT 05/08/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8720218	Mayport (Bar Pilots Dock), FL	05/08/2015 18:36 (EDT)	-3.72 ft	-4.72 ft	1.00 ft	1.03 ft
8720030	Fernandina Beach, FL	05/08/2015 18:36 (EDT)	-5.13 ft	-6.44 ft	1.31 ft	1.25 ft
8670870	Fort Pulaski, GA	05/08/2015 18:30 (EDT)	-5.68 ft	-7.17 ft	1.49 ft	1.22 ft
8665530	Charleston, SC	05/08/2015 18:36 (EDT)	-4.35 ft	-5.31 ft	0.96 ft	1.37 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/08/2015 18:36 (EDT)	-3.85 ft	-5.08 ft	1.23 ft	1.27 ft
8661070	Springmaid Pier, SC	05/08/2015 18:36 (EDT)	-3.84 ft	-4.75 ft	0.91 ft	1.23 ft
8658163	Wrightsville Beach, NC	05/08/2015 18:36 (EDT)	-2.93 ft	-3.67 ft	0.74 ft	1.11 ft
8656483	Beaufort, NC	05/08/2015 18:30 (EDT)	-2.78 ft	-3.16 ft	0.38 ft	0.59 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce